

- ▶ What is Plastic Optical Fiber?
- ▶ Product Information
 - ▶ **Plastic Optical Fiber**
 - ▶ Processed Materials
- ▶ Inquiry
- ▶ Overseas Branch

Product Information

Plastic Optical Fiber High-NA Fiber PJ Series

With its advantage including high-NA, less loss increment against bending and repeat bending, and heat resistance, PJ Series is suitable for various applications.

Characteristics

- High-NA
- Less loss increment against bending and repeat bending
- Operation Temperature of -55~85°C°

Applications

- Sensor
- Factory Automation
- Automobile Communication
- Audio Interface Cable

Please follow the [Handling Precautions](#) when handling the products.

Parameter		Performance
Core	Material	Polymethyl Methacrylate (PMMA)
	Refractive index	1.49
Cladding	Material	Fluorinated Polymer
	Refractive index	1.35
Refractive index profile		Step index
Numerical aperture		0.63
Angle of incidence		78°
Temperature range of use		-55~85°C°

PRODUCTS(FIBER)

Series	Grade	Product Code	Fiber Diameter (mm)	Fiber Length On Spool (m)	Attenuation dB/m (at 650nm)
PJ	U	PJU-FB1000	1.0	1,500	≦ 0.15
		PJU-FB1000	1.0	5,250	≦ 0.15
		PJU-FB 750	0.75	2,700	≦ 0.15
		PJU-FB 500	0.5	6,000	≦ 0.18
	S	PJS-FB 250	0.25	12,000	≦ 0.30
	R	PJR-FB1000	1.0	1,500	≦ 0.20
		PJR-FB1000	1.0	5,250	≦ 0.20
		PJR-FB 750	0.75	2,700	≦ 0.20

- ▶ Fiber
- ▶ Cord
- ▶ Cord for Broadband Communication
- ▶ Cable
- ▶ Light Guide
- ▶ **High-NA Fiber PJ Series**
- ▶ Automotive Application

 [Return to Plastic Optical Fiber T Page](#)

▶ [Handling Precautions](#)

PJR-FB 750	0.75	9,000	 0.20
PJR-FB 500	0.5	6,000	 0.25
PJR-FB 250	0.25	12,000	 0.35

[▶ Return to Plastic Optical Fiber top page](#)

Copyright 2006 Toray Industries, Inc. All Rights Reserved.

[> Terms and Conditions](#) [> Privacy Policy](#) [> Site map](#)